

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 701586-54555
INTERNATIONAL APPLICATION NO. PCT/US2004/033178		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/574828
INTERNATIONAL FILING DATE 08 October 2004 (8.10.2004)		PRIORITY DATE CLAIMED 09 October 2003 (9.10.2003)
TITLE OF INVENTION METHODS AND COMPOSITIONS USING ADIPONECTIN FOR TREATMENT OF CARDIAC DISORDERS AND FOR STIMULATION OF ANGIOGENESIS		
APPLICANT(S) FOR DO/EO/US WALSH, Kenneth, et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) To be assigned 10/574,828		INTERNATIONAL APPLICATION NO. PCT/US2004/033178		ATTORNEY'S DOCKET NUMBER 701586-54555	
20. Other items or information: Exp. Mail Cert. EV653005045US; Transmittal of Formal Drawings; Formal Drawings; Published PCT WO 2005/044183; Forms PCT/IB/210, 237, 301, 304, 308s; COPY-References B1 and C1-C5; COPY - Assignment from parent; and Return Receipt Postcard.					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$	300.00
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$	200.00
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))				\$	100.00
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
77 - 100 =	-23 /50 =		x \$250	\$	0.00
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	130.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	20 - 20 =	0	x \$ 50	\$	0.00
Independent claims	3 - 3 =	0	x \$200	\$	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	0.00
TOTAL OF ABOVE CALCULATIONS =				\$	730.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					365.00
SUBTOTAL =				\$	365.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	0.00
TOTAL NATIONAL FEE =				\$	365.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	0.00
TOTAL FEES ENCLOSED =				\$	365.00
				Amount to be refunded:	\$
				Amount to be charged	\$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-0850 in the amount of \$ 365.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0850. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Ronald I. Eisenstein
Nixon Peabody LLP
100 Summer Street
Boston, MA 02110



SIGNATURE

Ronald I. Eisenstein

NAME

30,628

REGISTRATION NUMBER

10/574828

IAP9 Rec'd PCT/PTO 06 APR 2006

Practitioner's Docket No. 701586-54555

PATENT

IN THE UNITED STATES RECEIVING OFFICE

PCT/US2004/033178	08.10.2004 08 October 2004	09.10.2003 09 October 2003
International Application Number	International Filing Date	International Earliest Priority Date

**TITLE OF INVENTION: METHODS AND COMPOSITIONS USING ADIPONECTIN
FOR TREATMENT OF CARDIAC DISORDERS AND FOR
STIMULATION OF ANGIOGENESIS**

APPLICANT(S) FOR EO/DO: The Trustees of Boston University
INVENTOR(S)/APPLICANT(S) FOR US: Kenneth WALSH et al.

**VERIFIED CERTIFICATION OF EXPRESS MAILING DATE
(INTERNATIONAL APPLICATION (37 C.F.R. section 1.10(c)))**

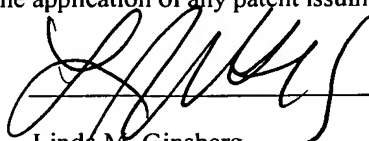
I declare that, on April 6, 2006 I deposited, with the United States Postal Service, in an envelope "Express Mail, Post Office to Addressee," bearing Label Number EV653005045US, addressed to the "MAIL STOP PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450," and having an express mail certification that I executed, the following papers:

1. Express Mail Certificate EV653005045US (1 pg.);
2. Transmittal Letter to the U.S. Receiving Office Concerning a Filing Under 35 U.S.C. 371 – page 3 in duplicate (4 pp.);
3. Application Data Sheet (3 pp.);
4. Preliminary Amendment (5 pp.);
5. Transmittal of Formal Drawings (1 pg.);
6. Formal Drawings (23 pp.);
7. Published PCT WO 2005/044183 A2 (coversheet, 1 pg.);
8. Form PCT/IB/301 (3 pp.);
9. Form PCT/IB/304 (1 pg.);
10. Form PCT/IB/308 (First and Second Notices) (2 pp.);
11. Information Disclosure Statement, including Form 08a (4 pp.);
12. International Search Report - Form PCT/ISA 210 with Written Opinion – Form PCT/ISA/237 (8 pp.);
13. COPY – References B1 and C1-C5 cited in International Search Report;
14. COPY – Assignment filed in parent (7 pp.); and
15. Return Receipt Postcard.

A copy of these papers from the file of this application is attached.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Date: April 6, 2006



Linda M. Ginsberg
(type or print name of person certifying)

Practitioner's Docket No. 701586-54555

PATENT

IN THE UNITED STATES RECEIVING OFFICE

PCT/US2004/033178	08.10.2004 08 October 2004	09.10.2003 09 October 2003
International Application Number	International Filing Date	International Earliest Priority Date

**TITLE OF INVENTION: METHODS AND COMPOSITIONS USING ADIPONECTIN FOR
TREATMENT OF CARDIAC DISORDERS AND FOR
STIMULATION OF ANGIOGENESIS**

APPLICANT(S) FOR EO/DO: The Trustees of Boston University
INVENTOR(S)/APPLICANT(S) FOR US: Kenneth WALSH et al.

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


TRANSMITTAL OF FORMAL DRAWINGS

Attached please find:

- (a) the formal drawing(s) for this application.
 Number of Sheets: 23

Each sheet of drawing indicates the identifying indicia suggested in § 1.84(c)
 on the reverse side of the drawing.

Date: April 6, 2006


 Ronald I. Eisenstein (Registration No. 30,628)
 J. Amelia Feulner (Reg. No. 58,039)
 Nixon Peabody LLP
 100 Summer Street
 Boston, MA 02110
 617-345-6054
 Customer No. 50607

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

is deposited with the United States Postal Service in an envelope addressed to the MAIL STOP PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. § 1.8(a)

_ with sufficient postage as first class mail.

37 C.F.R. § 1.10*

is as "Express Mail Post Office to Addressee"
 Mailing Label No. EV65300504505 (mandatory)

Signature

Date: April 6, 2006

Linda M. Ginsberg

(type or print name of person certifying)